RAW SEQUENCE LISTING

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Application Serial Number: _10/520,033β_

Source: _/ Fw0_

Date Processed by STIC: _3/27/07_

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RAW SEQUENCE LISTING   DATE: 03/27/2007
PATENT APPLICATION: US/10/520,033B   TIME: 16:27:24

Input Set : **A:\101141-21 Project.ST25.txt**
Output Set: **N:\CRF4\03272007\J520033B.raw**

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     3 <110> APPLICANT: Chan, Raquel
     5 <120> TITLE OF INVENTION: Transcription factor gene induced by water deficit
conditions ...
     7 <130> FILE REFERENCE: 101141-21
     9 <140> CURRENT APPLICATION NUMBER: 10/520,033B
C--> 10 <141> CURRENT FILING DATE: 2004-12-30
    12 <160> NUMBER OF SEQ ID NOS: 22
    14 <170> SOFTWARE: PatentIn version 3.3
    16 <210> SEQ ID NO: 1
    17 <211> LENGTH: 774
    18 <212> TYPE: DNA
    19 <213> ORGANISM: Helianthus annuus
    21 <400> SEQUENCE: 1
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    24 tctcttcaac aagtacccac aacagaaaca accaccagga agaaccgaaa cgaggggcgg     120
    26 aaacgattta ccgacaaaca aataagtttc ctagagtaca tgtttgagac acagtcgaga     180
    28 cccgagttaa ggatgaaaca ccagttggca cataaactcg ggcttcatcc tcgtcaagtg     240
    30 gcgatatggt tccagaacaa acgcgcgcga tcaaagtcga ggcagattga gcaagagtat     300
    32 aacgcgctaa agcataacta cgagacgctt gcgtctaaat ccgagtctct aaagaaagag     360
    34 aatcaggccc tactcaatca ggtatggttg caaacttaca atgttgcatt caactatta     420
    36 agtagtttg aattttgtg acaataaaga ttgacaaatg ttgtttgata attgattaac     480
    38 agttggaggt gctgagaaat gtagcagaaa agcatcaaga gaaaactagt agtagtggca     540
    40 gcggtgaaga atcggatgat cggtttacga actctccgga cgttatgttt ggtcaagaaa     600
    42 tgaatgttcc gttttgcgac ggttttgcgt actttgaaga aggaaacagt ttgttggaga     660
    44 ttgaagaaca actgccagac cctcaaaagt ggtgggagtt ctaaagagta aagaaggatg     720
    46 tagaagtagt agagtaaaaa ctaaaacata ccagatagtt ggtttacact ttgt           774
    49 <210> SEQ ID NO: 2
    50 <211> LENGTH: 673
    51 <212> TYPE: DNA
    52 <213> ORGANISM: Helianthus annuum
    54 <400> SEQUENCE: 2
    55 tcactagtac cataatattc acaaacacac acacctcaga aacgaagctt gcacataatg      60
    57 tctcttcaac aagtacccac aacagaaaca accaccagga agaaccgaaa cgaggggcgg     120
    59 aaacgattta ccgacaaaca aataagtttc ctagagtaca tgtttgagac acagtcgaga     180
    61 cccgagttaa ggatgaaaca ccagttggca cataaactcg ggcttcatcc tcgtcaagtg     240
    63 gcgatatggt tccagaacaa acgcgcgcga tcaaagtcga ggcagattga gcaagagtat     300
    65 aacgcgctaa agcataacta cgagacgctt gcgtctaaat ccgagtctct aaagaaagag     360
    67 aatcaggccc tactcaatca ggttggaggtg ctgagaaatg tagcagaaaa gcatcaagag     420
    69 aaaactagta gtagtggcag cggtgaagaa tcggatgatc ggtttacgaa ctctccggac     480
    71 gttatgtttg gtcaagaaat gaatgttccg ttttgcgacg gttttgcgta ctttgaagaa     540
    73 ggaaacagtt tgttggagat tgaagaacaa ctgccagacc ctcaaaagt gtgggagttc     600
    75 taaagagtaa agaaggatgt agaagtagta gagtaaaaac taaaacatac cagatagtt     660
    77 gtttacactt tgt                                                        673
    80 <210> SEQ ID NO: 3
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                Input Set : A:\101141-21 Project.ST25.txt
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     81 <211> LENGTH: 1221
     82 <212> TYPE: DNA
     83 <213> ORGANISM: Helianthus annuus
     85 <220> FEATURE:
W--> 86 <221> NAME/KEY: promotor
     87 <222> LOCATION: (1)..(1221)
     88 <223> OTHER INFORMATION: Large allele
     90 <400> SEQUENCE: 3
     91 gatccaattg gaccacctgg cacatcgtat cttatctctt ttgtcgtttc caacacacca   60
     93 caacacacct acaaacgtgt caattcacac ttcaccaatt tcatttcctt ttagtcaatc   120
     95 atattaaaag tagtagcccc caccccccatt tgttacctac catttcccac tttaataatc   180
     97 acccacgcta tgtccacttg tactttttgtt tgcacacaac tcttcccata aaatatcaaa   240
     99 ccaaattttt tttagtggaa aacaaattcc ccaaatagaa tactaacgaa attcatcgca   300
    101 tcagaataca ctcatctctg aacagtggcg aagcttgacg ttttcgacgg ggggtcggaa   360
    103 aacgtatgta cccgaaattt ctatagaatc ggggggtcga aaacgtatat acccaaaatt   420
    105 tctatacgaa aactacatat ataacactac tgagcaaaaa gttcggggggt tcgggcgccc   480
    107 ctcccggccc cttcaaagct tcgccaatgt ctctgaaccg aagaaaaccc tcactcgtct   540
    109 actagccaat gaatcctcac cagggaaacc ctcactcgtc ttactggact attggcgctt   600
    111 ccaaatggac tacttgcgaa attcaccaca tcgggataca ctcgtctact gcggtgaggt   660
    113 aaaacccgct tggctcaagg atcgaactag cgattgctgc ctactcgcct aatctcccat   720
    115 catcaacagg tgccgccgaa acaaaatgct ggggcggga gttgaaccta ggtccagtga   780
    117 cgcacccatg aattttttt ctagggatgc gaacgagtgg tttaaccata cttttaagag   840
    119 gtgcgatcgg aaattttacc tataaaatac actaaaaaag ttccaagggt ccacccaccc   900
    121 cttaacctaa gtccgccttt gtctggatca cgtgaaacat caggtctctc ccttaccagt   960
    123 ccagctacga ctcattgaca aaatatcaaa accatatgat tttgagtttt atctcaaccg   1020
    125 aaagtgacat catgacagag aatcgacata accaaaacgt gtaaacgtac aactcaccat   1080
    127 tgcgttgaaa aggacaaaac aggtaggatt cttgtcaaat tcaacgcgta cacctgtgct   1140
    129 tcatctaaac cccatacttt aagaaccttt ataaagacca ctcactatat atacacatat   1200
    131 ataatatcac ttatcaaacc c   1221
    134 <210> SEQ ID NO: 4
    135 <211> LENGTH: 28
    136 <212> TYPE: DNA
    137 <213> ORGANISM: Artificial Sequence
    139 <220> FEATURE:
    140 <223> OTHER INFORMATION: Designed oligonucleotide based on promotor and having Hind
III site
    142 <400> SEQUENCE: 4
    143 gcgaagcttg atgcgaacga gtggttta   28
    146 <210> SEQ ID NO: 5
    147 <211> LENGTH: 28
    148 <212> TYPE: DNA
    149 <213> ORGANISM: Artificial Sequence
    151 <220> FEATURE:
    152 <223> OTHER INFORMATION: Designed oligonucleotide based on the promoter and having
Sal I site
    154 <400> SEQUENCE: 5
    155 gcggtcgaca cctggcacat cgtatctt   28
    158 <210> SEQ ID NO: 6
    159 <211> LENGTH: 27
    160 <212> TYPE: DNA
    161 <213> ORGANISM: Artificial Sequence

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     163 <220> FEATURE:
     164 <223> OTHER INFORMATION: Designed oligonucleotide based on the promotor and having
Bam HI
     165       site
     167 <400> SEQUENCE: 6
     168 cgcggatccg agggtttgat aagtgat                              27
     171 <210> SEQ ID NO: 7
     172 <211> LENGTH: 27
     173 <212> TYPE: DNA
     174 <213> ORGANISM: Artificial Sequence
     176 <220> FEATURE:
     177 <223> OTHER INFORMATION: Designed oligonucleotide based on the promotor and having
Hind
     178       III site
     180 <400> SEQUENCE: 7
     181 cccaagctta acctaagtcc gcctttg                              27
     184 <210> SEQ ID NO: 8
     185 <211> LENGTH: 27
     186 <212> TYPE: DNA
     187 <213> ORGANISM: Artificial Sequence
     189 <220> FEATURE:
     190 <223> OTHER INFORMATION: Designed oligonucleotide based on the 5' promotor
     192 <400> SEQUENCE: 8
     193 ggcaagctta tctcaaccga aagtgac                              27
     196 <210> SEQ ID NO: 9
     197 <211> LENGTH: 19
     198 <212> TYPE: DNA
     199 <213> ORGANISM: Artificial Sequence
     201 <220> FEATURE:
     202 <223> OTHER INFORMATION: Designed loigonucleotide based on the 5' promotor
     204 <400> SEQUENCE: 9
     205 atttcgcaag tagtccatt                                       19
     208 <210> SEQ ID NO: 10
     209 <211> LENGTH: 1015
     210 <212> TYPE: DNA
     211 <213> ORGANISM: Helianthus annuum
     213 <400> SEQUENCE: 10
     214 gatccaattg gaccacctgg cacatcgtat cttatctctt ttgtcgtttc caacacacca    60
     216 caacacacct acaaacgtgt caattcacac ttcaccaatt tcatttcctt ttagtcaatc   120
     218 atattaaaag tagtagcccc cacccccatt tgttacctac catttcccac tttaataatc   180
     220 acccacgcta tgtccacttg tacttttgtt tgcacacaac tcttcccata aaatatcaaa   240
     222 ccaaattttt tttaatggaa aacaaatact tcaaatgcac tattggtgaa attcaccaca   300
     224 tcagaataca cccgtctcta ctcatctact ggccaacgaa tcttcacggg ggaaaccctc   360
     226 actcgtctac tgggactact ggcgcttcaa aatggactac tgacaaaatt caccacatcg   420
     228 ggatacactt gtctactgcg gtgaggtaaa atccgccgct cagctcaatg atcgaactag   480
     230 cgatcgccac ccactcacct tgtctcccat catcaccagg tgccgccaaa acaaaatgtt   540
     232 gggggcggga attgaaccta ggtccagtgg cgcacccatg aatttttttt ctagggatgc   600
     234 gaacgagtga tttaaccata cttttaagag gtgcgatcgg aaattttacc tataaaatat   660
     236 actaaaaaaa tttcaagggt ccgcccaccc accccttaac ctaagtccgc ctctgcctgg   720
     238 atcacgtgaa acatcaggtc tctctcttac cagttcacct acaactcatt gacaaaatat   780
     240 caaaaccata tgattttgag ttttatctca accgaaagtg acatcatgac agagaatcga   840
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242 cataaccaaa acgtgtaaac gtacaactca ccattgcgtt gaaaaggaca aaacaggtag    900
244 gattcttgtc aaattcaacg cgtacacctg tgcttcatct aaaccccata ctttaagaac    960
246 ctttataaag accactcact atatatacac atatataata tcacttatca aaccc          1015
249 <210> SEQ ID NO: 11
250 <211> LENGTH: 28
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: Designed oligonucleotide that matches nucleotides 81-100 of
the
256        Hahb-4 cDNA sequence and having Bam HI site
258 <400> SEQUENCE: 11
259 ggcggatcca acagaaacaa ccaccagg                                        28
262 <210> SEQ ID NO: 12
263 <211> LENGTH: 29
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Designed oligonucleotide for cloning 5' cDNA and having Bam
HI
269        site
271 <400> SEQUENCE: 12
272 ggcggatccc ctggtggttg tttctgttg                                       29
275 <210> SEQ ID NO: 13
276 <211> LENGTH: 34
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Oligonucleotide based on 5' cDNA and having Xho I site
283 <400> SEQUENCE: 13
284 gaggactcga gctcaagttt tttttttttt tttt                                 34
287 <210> SEQ ID NO: 14
288 <211> LENGTH: 18
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Oligonucleotide based on 5' cDNA and having Xho I site
295 <400> SEQUENCE: 14
296 gaggactcga gctcaagc                                                   18
299 <210> SEQ ID NO: 15
300 <211> LENGTH: 29
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Designed oligonucleotide based on the promotor and having
Eco RI
306        site
308 <400> SEQUENCE: 15
309 gccgaattca gattgagcaa gagtataac                                       29
312 <210> SEQ ID NO: 16
313 <211> LENGTH: 19
314 <212> TYPE: DNA
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Input Set : A:\101141-21 Project.ST25.txt
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315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Designed oligonucleotide based on the promotor
320 <400> SEQUENCE: 16
321 acctttataa agaccactc                                               19
324 <210> SEQ ID NO: 17
325 <211> LENGTH: 19
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Designed oligonucleotide based on the promotor
332 <400> SEQUENCE: 17
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336 <210> SEQ ID NO: 18
337 <211> LENGTH: 24
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:
342 <223> OTHER INFORMATION: Oligonucleotide.to DNA-binding assays
344 <400> SEQUENCE: 18
345 aattcagatc tcaataattg agag                                         24
348 <210> SEQ ID NO: 19
349 <211> LENGTH: 24
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: Oligonucleotide to DNA-binding assays
356 <400> SEQUENCE: 19
357 gatcctctca attattgaga tctg                                         24
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361 <211> LENGTH: 30
362 <212> TYPE: DNA
363 <213> ORGANISM: Artificial Sequence
365 <220> FEATURE:
366 <223> OTHER INFORMATION: Oligonucleotide having Bam HI site
368 <400> SEQUENCE: 20
369 gcgggatcca ccatgtctct tcaacaagta                                   30
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373 <211> LENGTH: 30
374 <212> TYPE: DNA
375 <213> ORGANISM: Artificial Sequence
377 <220> FEATURE:
378 <223> OTHER INFORMATION: Oligonucleotide having Sac I site
380 <400> SEQUENCE: 21
381 gccgagctct tagaactcca accacttttg                                   30
384 <210> SEQ ID NO: 22
385 <211> LENGTH: 27
386 <212> TYPE: DNA
387 <213> ORGANISM: Artificial Sequence
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VERIFICATION SUMMARY   DATE: 03/27/2007
PATENT APPLICATION: **US/10/520,033B**   TIME: 16:27:25

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:86 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3